

## ELCON | ELCON Mini

TE Internal #: 2042274-2

ELCON Mini, Rectangular Power Connectors, Header, Plug, Wire-

to-Board, 2 Position, 7.8mm [.307in] Centerline, Printed Circuit

Board, UL 94V-0

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Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors











Rectangular Power Connector Type: Header

Connector & Housing Type: Plug
Connector System: Wire-to-Board

Number of Positions: 2

Centerline (Pitch): 7.8 mm [ .307 in ]

## **Features**

## **Product Type Features**

Rectangular Power Connector Type	Header
Connector & Housing Type	Plug
Connector System	Wire-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
Configuration Features	
Number of Positions	2
PCB Mount Orientation	Vertical
Number of Power Positions	2
Number of Signal Positions	0
Number of Rows	1
Electrical Characteristics	

500 VDC

Operating Voltage



Contact Layout  Contact Base Material  Coppe Contact Current Rating (Max)  Contact Retention Within Housing  Stagge  Coppe With	
Contact Current Rating (Max) 35 A, 4	r Alloy
Contact Retention Within Housing With	0 A
Contact Type Pin	
PCB Contact Termination Area Plating Material Silver	
Contact Mating Area Plating Material Silver	
Contact Mating Area Plating Material Thickness .076 µn	n[3 µin]
Termination Features	
Termination Method to Printed Circuit Board Through	gh Hole - Solder
Mechanical Attachment	
Mating Alignment Type Polariza	ation
Mating Alignment With	
PCB Mount Alignment Withou	ıt
PCB Mount Retention Withou	ut
Connector Mounting Type Board I	Mount
Mating Retention Withou	ut
Housing Features	
Centerline (Pitch) 7.8 mm	n[.307 in]
Housing Color Black	
Housing Material LCP GF	=30 (Liquid Crystal Polymer)
Dimensions	
Row-to-Row Spacing 7.8 mm	n[.307 in]
Height 15.2 mi	m
Length 18.9 mi	m
Usage Conditions	
Operating Temperature Range -40 – 12 257 °F]	25°C, -40 – 125°C[-40 – 257°F][-40 –
Operation/Application	
Assembly Process Feature Pick an	d Place Cover
Circuit Application Power	
Industry Standards	



UL Flammability Rating	UL 94V-0
Glow Wire Rating	Standard Part - Not Glow Wire
Packaging Features	
Packaging Method	Reel
Packaging Quantity	150

## **Product Compliance**

For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUL 2021 (219) Candidate List Declared Against: JAN 2021 (211) SVHC > Threshold: Not Yet Reviewed
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Wave solder capable to 265°C

## Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: https://echa.europa.eu/guidance-documents/guidance-on-reach

## Compatible Parts





TE Part # 1982299-4 ELCON MINI 2P CABLE CONN,W/O CODING



## Also in the Series | ELCON Mini



Insertion & Extraction Tools(1)



Power Cable Assemblies(6)



Rectangular Power Connectors(32)

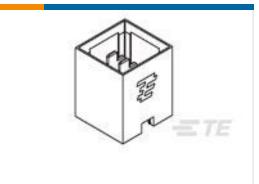
# Customers Also Bought



TE Part #1-2199119-5 M.2 0.5PITCH 3.2H KEY M 15U" AU

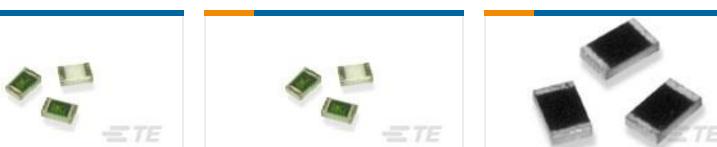


TE Part #1393776-3 V23026D1021B201 \*X020

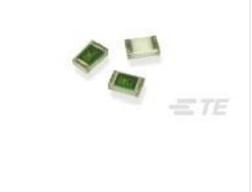


TE Part #1645498-2 UNV,PWR,MDL.4 POS. VERT.HDR, 15MM STACK





TE Part #1676264-3 RN 0805 249R 0.1% 10PPM 5KRL



TE Part #1676475-2 RN 0805 9K76 0.1% 10PPM 1KRL



TE Part #1625868-7 RP 2A 0.25W 215K 0.1% 25PPM 1K RL





TE Part #1879061-7 CPF 0402 15R 0.1% 25PPM 5K RL





## **Documents**

**CAD Files** 

3D PDF

3D

**Customer View Model** 

ENG\_CVM\_CVM\_2042274-2\_B.2d\_dxf.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_2042274-2\_B.3d\_igs.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_2042274-2\_B.3d\_stp.zip

English

By downloading the CAD file I accept and agree to the **Terms and Conditions** of use.

## Datasheets & Catalog Pages

POWER\_CONNECTORS\_CATALOG\_SEC02\_CABLE\_MOUNTED

English

ELCON Mini Power Interconnects QRG (English)

English

## **Product Specifications**

**Application Specification** 

English